

# InView tc

The InView tc probe is a macroscopic system that can be applied to environments where dust protection is important. The InView tc can be used in a wide range of particle sizes and distances to the objects of interest. It can be flanged to inspection glasses of granulators, reactors, chutes, or mounted above conveyor belts.



The InView tc system is equipped with a color camera and is suitable for many different particle detection tasks. The InView tc is, opposed to the non-ATEX version, not equipped with a ring of LEDs, but additional ATEX-rated LED panels can be used to illuminate the objects in different angles and distance. To reduce fouling on the InView tc window, we optionally provide a purging device which is mounted on the flange provided.



### Complete your system:

- Purging flange to prevent dust accumulation on front window
- Terminalbox, wall-mounted
- Up to four ATEX LED Panels
- TCP/IP connection to PCS

Parameter	Specification
Particle Size Range	50 – 50,000 µm (depending on used camera lens)
Field of View (diag.)	customizable
<b>Dimensions &amp; Weights</b>	
Housing	Length: 209 mm Diameter: 75 mm
Weight	3.6 kg
Flange	Mounting holes: 4x D11 on 100 mm circle Flange OD 120 mm
<b>Materials</b>	
Housing	1.4404 (316L)
Window	Sapphire
<b>Technical Data</b>	
Permissible Process Temperature	n/A (ex-situ)
Permissible Ambient Temperature	0 – 50°C
Permissible Process Pressure	Ambient pressure
Camera	5.1 Megapixel Machine Vision Camera with GigE Interface, 15 fps (grey), 7 fps (color)
Cable	Standard length: 10 m
<b>Approvals</b>	
Protection	IP 52
Compliance	RoHS conform according to 2011/65/EU
ATEX certification	II 3D Ex tc IIIB T 100°C Dc